



भारत का राजपत्र

The Gazette of India

प्रापिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं. 10] नई विल्ली, शनिवार, मार्च 8, 1986 (फाल्गुन 17, 1907)

No. 10] NEW DELHI, SATURDAY, MARCH 8, 1986 (PHALGUNA 17, 1907)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

(रक्षा मंत्रालय को छोड़कर) भारत सरकार के मंत्रालयों और उच्चतम न्यायालय द्वारा जारी की गई सरकारी अफसरों की नियुक्तियों, पदोन्नतियों, छुट्टियों आदि से सम्बन्धित अधिसूचनाएं
[Notifications regarding Appointments, Promotions, Leave etc. of Government Officers issued by the Ministries of the Government of India (other than the Ministry of Defence) and by the Supreme Court]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 8th March, 1986

ADDRESS AND JURISDICTION OF OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch,
Todi Estates, III Floor,
Lower Parel (West),
Bombay-400013.

The States of Gujarat, Maharashtra, and Madhya Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,
Unit No. 401 to 405, III Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFIC".

Patent Office Branch,
61, Wallajah Road,
Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Lakshadive, Minicoy and Aminidivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office, (Head Office),
214, Acharya Jagadish Bose Road,
Calcutta-700 017.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

ALTERATION OF AN ENTRY IN THE REGISTER OF PATENT AGENTS UNDER RULE 103

In pursuance of an application on Form 52 filed on 22nd January, 1986 the name of SEEMA BATRA of Remfry & Son, Kachenjunga, 18, Barakhamba Road, New Delhi-110001 has been altered to SEEMA BHAGAT.

**APPLICATION FOR PATENTS FILED AT THE HEAD
OFFICE 214, ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-700017**

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

The 30th January, 1986

- 65/Cal/86. Himont Incorporated. Process for preparing thermically stable olefinic polymers.
- 66/Cal/86. Wilhelm Hegenscheidt Gesellschaft mbh. Device to produce segmental pieces during the processing of work-pieces and the equipment for that purpose.
- 67/Cal/86. Degussa Aktiengesellschaft. Synergistic combination of flupirtin and non-steroidal anti-phlogistic.
- 68/Cal/86. Degussa Aktiengesellschaft. Synergistic combination of flupirtin and 4-acetamido-phenol.
- 69/Cal/86. Intent Patents A.G. Gain controlled electronic ballast system.

The 31st January, 1986

- 70/Cal/86. Bihari Lal Agarwal (also known as B. L. Agarwal). Non-fuelling power condensor.
- 71/Cal/86. Saroj Kumar Mitra. Flexible resilient shaft couplings.
- 72/Cal/86. GFO Gesellschaft Fur Oberflächentechnik m.b.H Coating Agent for demirroring layers and the procedure for its production.
- 73/Cal/86. Laboratorien Hausmann AG. All-CIS-1, 3, 5-Triamina-2, 4, 6-Cyclohexantriol-derivatives, their use, process for their preparation and pharmaceutical preparations containing them.
- 74/Cal/86. Shri Saibal Roy. Mono-pass electrical filter.

The 3rd February, 1986

- 75/Cal/86. Purnendu Sekhar Maiti. P.S. Maiti's Air compressed and Petrol engine and P.S. Maiti's Air compressed and Diesel engine.
- 76/Cal/86. AB Siwertell. Schew Conveyor.
- 77/Cal/86. Forf Engineering GMBH. Process and apparatus for producing sponge iron particles and molten pig iron.
- 78/Cal/86. Vsesoiuzny Institut Po Proektirovaniyu Organizatsii Energeticheskogo Stroitelstva "Orgenergostroy". Belt Conveyor.

The 4th February, 1986

- 79/Cal/86. Alec David Ward. Screen. (Convention dated 5th February, 1985, 11th March, 1985, 13th June, 1985 and 6th September, 1985) United Kingdom.
- 80/Cal/86. Duphar International Research B.V. Syringe.
- 81/Cal/86. Lanxide Corporation. Composite Ceramic articles and methods of making same. -2.
- 82/Cal/86. Lanxide Corporation. Composite ceramic articles and methods of making same -1.
- 83/Cal/86. The scopas Technology Company, Inc. Gas Sterilant System.

**APPLICATIONS FOR PATENTS FILED AT THE PATENT
OFFICE BRANCH, MUNICIPAL MARKET BUILDING,
III RD FLOOR, KAROL BAGH, NEW DELHI-5**

The 13th January, 1986

- 29/Del/86. Adess Singh. "An electromagnetic attraction motor with conductor less rotor with a feed back system to recover the electric energy from decaying magnetic field".

30/Del/86. Colgate Palmolive Co., "Fabric softening and antistatic detergent composition".

31/Del/86. The Anderson Company of Indiana, "Arm to blade connector".

32/Del/86. Bicc Public Limited Company, "Optical cable manufacture". (Convention date 21st January, 1985) (U.K.).

The 14th January, 1986

33/Del/86. F.I.C.I. Finanziaria Industriale Commercial Immobiliare S.p.A., "Equipment for slitting continuous tapes into strips with shaped side profile, in particular for metal sheet".

34/Del/86. Bandag Licensing Corporation. "Method of rebeltting radial tires".

35/Del/86. Fredrick Tilden Edridge, "Improvements in vegetation clips".

The 15th January, 1986

36/Del/86. The Lubrizol Corporation, "Sulfur containing compositions, and additive concentrates and lubricating oils containing same".

37/Del/86. Mechanical Plastics Corp., "Fully articulable positioning device".

38/Del/86. The Lubrizol Corporation, "Esters of carboxy containing interpolymers".

39/Del/86. Colgate Palmolive Company, "Fabric softening and antistatic liquid detergent compositions".

40/Del/86. Sudhendu Kumar Biswas, "A process".

41/Del/86. Sudhendu Kumar Biswas, "A process for the treatment of raw water of sewage".

42/Del/86. Sudhendu Kumar Biswas, "A plant for treatment of raw water and sewage".

43/Del/86. Ravi Gandhi, "A door viewer".

The 16th January, 1986

44/Del/86. UOP Inc., "A selective oxidation of hydrogen".

45/Del/85. UOP Inc., "Separation of 1, 3-butadiene".

46/Del/86. Associated Electrical Industries Limited, "Selector mechanism". (Convention date 16th January, 1985) (U.K.).

47/Del/86. The Standard Oil Company, "A process for the production of dinitriles". [Divisional date 18th October, 1982].

The 17th January, 1986

48/Del/86. Vivek Mull, Chandra Agro Pvt. Limited, "A blood transfusion set".

49/Del/86. Pfizer Inc. "A method for preparation of biotin". [Divisional date 4th March, 1983].

50/Del/86. Colgate Palmolive Company, "Fabric softener composition".

51/Del/86. Bicc Public Limited Company, "Cross linkable compositions for extrusion, especially for wire and cable coverings". (Convention date 5th February, 1985) (U.K.).

52/Del/86. Associated Electrical Industries Limited, "Interrupter/isolator". (Convention date 28th January, 1985) (U.K.).

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES,
3RD FLOOR, SUN MILL COMPOUND, LOWER PAREL (W),
BOMBAY-400 013.

19-12-1985

345/Bom/1985	Vishvas Vishvanath Deshmukh	Mechanical Book Keeper.
346/Bom/1985	Jagdish Trikamji Gajjar	An apparatus and method for decoding error correction coded information.
20-12-1985		
347/Bom/1985	Hitendra Vrajlal Solanki & Mrs Aarti Chandrakant Solanki.	An improved jaw set for lathe machine chuck.
348/Bom/1985	Hitendra Vrajlal Solanki & Mrs Aarti Chandrakant Solanki.	An improved self-adjusting spanner/pipe wrench.
349/Bom/1985	Shishir Tarachand Kothari.	Device for extracting subdermal poison from the blood streams.
350/Bom/1985	Chlorine Engineers Carpn Ltd.	A method of preparations of a bonded cation exchange membrane for chlor-alkali electrolyser.

23-12-1985

351/Bom/1985	Priyal Khanderao Kulkarni Vijay Priyal Kulkarni.	Improvements in or relating to rigid wall containers for storing and preserving articles in vacuum.
352/Bom/1985	Gujarat State Fertilizers Company Limited.	A process for the Manufacture of Methyl Ethyl Ketoxime from methyl ethyl ketone.
353/Bom/1985	Do	Process for the recovery of sodium sulphate and mono carboxylic acids from caprolactam waste liquor.
354/Bom/1985	Do	A process for the manufacture of copolymers of styrene and acrylonitrile.
355/Bom/1985	Tata Engineering & Locomotive Company Limited.	A method for the manufacture of compacted or vermicular graphite (CG) cast iron and compacted or vermicular graphite cast iron manufactured thereby.
356/Bom/1985	Shri Dinesh Mills Limited.	An automatic mechanical stop motion device for the drafting system of a ring spinning frame.

24-12-1985

357/Bom/1985	Smt Manju Agrawal	Nicotine-scatter for Cigarette or Cigar or Bidi.
358/Bom/1985	Kumar Balram Bhatia.	Deep drawing tester for sheet metal with hydraulic system.

26-12-1985

359/Bom/1985	Harosh Dwarkadas Asar.	Improvements in or relating to Table Tennis Net Poles
360/Bom/1985	Madhav Vasudeo Kunte.	A modified impeller for centrifugal Pump to operate on Fluctuating power sources.

27-12-1985

361/Bom/1985	Vijay Kumar Jain	Verchestra
362/Bom/1985	Bharatbhai Madhavlal Panchal.	Improvement in Rotary Flexographic printing machine.
363/Bom/1985	Dr Ashitbabu Kanaiyalal Shah.	A modular Oven.
364/Bom/1985	Jitendra Vrajlal Solanki & Mrs Aarti Chandrakant Solanki.	An improved drill chuck.
365/Bom/1985	Sundeep Dulichand Naik, Deepak Dulichand Naik, Mrs. Anjana Dulichand Naik, & Pradeep Dulichand Naik.	An improved nozzle for obtaining ashoka tree shaped fountain spray.

31-12-1985

366/Bom/1985	Chlorine Engineers Corp., Ltd.	A method of preparation of a bonded cation exchange membrane for chlor-alkali electrolyzer.
367/Bom/1985	Thermax Private Limited.	Membrane Coil Reversing Flue Furnace.
368/Bom/1985	Do	Regenerative burner.
369/Bom/1985	Narayan Narsinha Desai.	A pump with shredding means at inlet
370/Bom/1985	Isowolta Oesterreichische Isoherstoffwerke Aktiengesellschaft	A process for impregnating a planar compressible carrier material with synthetic resin, and a device for working this process.
371/Bom/1985	Gujarat State Fertilizers Company Limited.	Process for the recovery of sodium sulphate mono carboxylic acids and dicarboxylic acids from caprolactam waste streams.

APPLICATIONS FOR PATENTS FILED AT THE PATENT
OFFICE BRANCH, 61, WALAJA ROAD,
MADRAS-600 002

The 13th January, 1986

16/Mas/86. Ciba-Geigy AG. Polyoxirane Crosslinked Polyvinyl Alcohol Hydrogel Contact Lens.

17/Mas/86. Minnesota Mining and Manufacturing Company. Process for temperature indication of a heat recoverable article.

The 15th January, 1986

18/Mas/86. Huls Aktiengesellschaft. Manufacture of Carboxylic Acid Alkyl Esters and their use as diesel fuel.

19/Mas/86. Uhde GmbH. Electrolyzer.

20/Mas/86. Southern Petrochemical Industries Corporation Ltd. A process for the recovery of copper in elemental form and zinc as zinc sulphate from LT CO Shift catalyst.

The 16th January, 1986

21/Mas/86. Lucas Industries Public Limited Company. Master cylinder flange attachment. (January 17, 86 United Kingdom).

22/Mas/86. Lucas Industries Public Limited Company. Improvements in self-energising disc brakes. (January 17, 1985 United Kingdom).

23/Mas/86. Lucas Industries Public Limited Company. Improvements in self-energising disc brakes. (January 17, 1985; United Kingdom).

24/Mas/86. Avtokombinat. Trolleybus current collector system.

25/Mas/86. Mastschappij tot Exploitatie van stork ketels B.V. Spray unit and degassing installation.

The 17th January, 1986

26/Mas/86. R. Renganathan. Current from ocean current.

27/Mas/86. A. H. Robins Company, Incorporated. Process for the preparation of 2-alkoxy-N-(1-Azabicyclo[2.2.2.] OCTAN-3-YL) Aminobenzamides.

28/Mas/86. Allied Corporation. Circuit board with integral connector.

The 20th January, 1986

29/Mas/86. R. S. Manohar. A device to reduce evaporation from liquid surfaces.

30/Mas/86. V. Srinivasan. Voltage impulse generator.

31/Mas/86. J. Toshniwal. Linkless, compact and portable drafting device.

32/Mas/86. Hot-Hed, Inc. Method of manufacturing a chemical heater.

33/Mas/86. John Mosely. An improved system for exhibiting motion pictures.

34/Mas/86. John Mosely. An improved process for exhibiting motion pictures.

The 21st January, 1986

35/Mas/86. Maschinenfabrik Rieter AG. Method and apparatus for extracting fibre flocks from textile fibre bales.

36/Mas/86. Allied Colloids Limited. Polymeric Compositions their preparation and their uses in printing pastes. (January 30, 1985; Great Britain).

The 22nd January, 1986

37/Mas/86. Mrs. M. A. Nair. A creative skill developing kit.

38/Mas/86. S. P. Gopalakrishnan. Sun-wiser cum-burglar proof wind-shield cover lock.

39/Mas/86. Union Carbide Corporation. Improved Hydroformylation Process.

40/Mas/86. Barrico Limited. Processing Crop Material.

41/Mas/86. Madras Institute of Magnetobiology. A controlled magnetic field enclosure.

The 23rd January, 1986

42/Mas/86. V. Vyjayanthimala. A novel beauty aid namely a nail polish removing device.

43/Mas/86. Himont Incorporated. Polypropylene with free-end long chain branching, process for making it, and use thereof.

44/Mas/86. Owens-Illinois, Inc. Applying labels to blow molded articles.

45/Mas/86. Institut Francais Du Petrole. Process for producing 1-Butene of improved purity from the raw product of ethylenic dimerization.

ALTERATION OF DATE

157346. Ante dated to 8th May, 1980.
(1407/Cal/83)
157347. Ante dated to 8th May, 1980.
(1408/Cal/83)
157371. Ante dated to 2nd December, 1978.
(704/Del/81)

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classification given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

CLASS : 128-F.

157346.

Int. Cl. A 61 m 3/00.

A DISPENSING DEVICE

Applicant : TRANS MED CORPORATION, OF 1621 COLLINGWOOD DRIVE, SAN DIEGO, CALIFORNIA, UNITED STATES OF AMERICA.

Inventors : 1. ROGER F. ETHERINGTON, 2. CLAYTON L. ESTEP.

Application No. 1407/Cal/83 filed November 16, 1983.

Divisional of Application No. 548/Cal/80 dated 8th May, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A dispensing device in particular for dispensing fluid materials such as diagnostic specimens, water or other diagnostic solutions such as herein defined comprising an elongated, hollow body with an exteriorly mounted closure means; said body comprising a generally cylindrical form closed at both ends with an orifice in one end, the body being of such thickness as to permit deflection inwardly to discharge the contents of said body through said orifice, said closure for said closed end orifice consisting of a one piece cap having an end wall with a skirt extension exteriorly mounted to encompass said closed end concentrically and rotatably thereabout and a nipple to receive compatible fittings as desired extending outwardly from the

outer surface of said end wall and an orifice in said closure passing axially through said nipple and said end wall, said closure being rotatable between a first position in which both orifices are out of communication and said closed end orifice is in a sealed condition and a second position in which both orifices are in sealed communication for the passage of the contents of said body through the orifice, sealing means for said orifice in said one closed end of said body positioned between said closed end and the interior of said closure which sealing means comprise an O-ring seal for said closed end orifice positioned concentrically with reference to said orifice in an annular groove on the outer surface of said closed end, a portion of said O-ring extending above said closed end outer surface to create a friction-free space between said outer surface and the inner surface of said end wall except for a moving area of sealing contact between said ring portion and the inner surface of the end wall, said ring portion providing a bearing surface for said rotation of said closure.

Compl. Specn. 28 pages. Drgs. 5 sheets.

CLASS : 128-F.

157347

Int. Cl. A 61 m 300.

A SYRINGE-LIKE DEVICE

Applicant : TRANS MED CORPORATION, OF 1621 COLLINGWOOD DRIVE, SAN DIEGO, CALIFORNIA, U.S.A.

Inventors : 1. ROGER F. ETHERINGTON, 2. CLAYTON L. ESTEP.

Application No. 1408/Cal/83 filed November 16, 1983.

Divisional of Application No. 548/Cal/80 dated 8th May, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A syringe-like device in particular for medical diagnostic purposes comprising an elongated hollow body open at one end and closed at the opposite end with an orifice in said closed end a plunger having sealing means on one end which is slidably inserted into and in sealing relationship with said body to vary the interior volume of said body; an exteriorly mounted closure means for said orifice in said body, said closure means having an orifice therethrough and being movable from a first position in which both orifices are in communication for passage of a fluid material such as blood, urine, or tissue fluids or water or other diagnostic solutions such as herein defined contained in the hollow body upon movement of said plunger and a second position wherein said orifices are not of communication after passage of said fluid material, said closure means comprising a cap-like structure having an end wall with a skirt extension to encompass the closed end portion of said body and a replaceable, outwardly extending nipple the orifice in said closure passing through said nipple; and sealing means for said closed end orifice positioned between said closure and said closed end.

Compl. Specn. 26 pages. Drgs. 5 sheets.

CLASS : 32-D.

157348

Int. Cl. C 07 d 103/00.

PROCESS FOR MAKING N ORGANO ALPHA, OMEGA-ALKYLENE TITANATE,

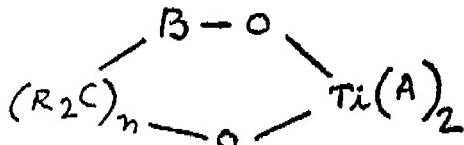
Applicant : KENRICH PETROCHEMICALS, INC., AT THE FOOT OF EAST 22ND STREET, BAYONNE, NEW JERSEY, 07002, UNITED STATES OF AMERICA.

Inventors : 1. SALVATORE JOSEPH MONTE, 2. GERALD SUGARMAN.

Application No. 852/Cal/76 filed May 15, 1976.
Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A process for making an organo alpha, omega-alkylene titanate having the formula I shown in the accompanying



1

wherein A represents a non-hydrolyzable aroxy, thioaroxy, -OCOR', -OSO_nR'', -OSOR'', (R''O)_mP(O)OP(OH(O))- or (R''O)₂P(O)-O- group; B is R₂C group or a carbonyl group R is hydrogen or an alkyl group having from 1 to 6 carbon atoms; R' and R'' are hydrogen or an alkyl, alkenyl, aryl, aralkyl or alkaryl group, or an alkyl, alkenyl, aryl, aryl, aralkyl or alkaryl group, or an alkyl, alkenyl, aryl, aryl, aralkyl, alkaryl, halo, amino, epoxy, ether, thioether, ester, cyano, carbonyl or aromatic nitro substituted derivative thereof; and n is 1 to 2; which comprises reacting an ester having the formula (RO)_mTi(A)₂ with an equimolar amount of 2-hydroxypropanoic acid, hydroxyacetic acid, ethylene glycol or 1, 3-butanediol or their carbon-substituted derivative.

Compl. Specn. 23 pages. Drg. 1 sheet.

CLASS : 70-B.

157349

Int. Cl. B 01 k 3/08.

PROCESS AND DEVICE FOR IMPREGNATING POROUS SUBSTANCES, ESPECIALLY CARBON PRODUCTS, IN THE MANUFACTURE OF CARBON ELECTRODES.

Applicant & Inventor : CHRISTIAN OTTO SCHOEN, OF ROFMERSTRASSE 1, D-7590 ACHERN 18. FEDERAL REPUBLIC OF GERMANY.

Application No. 1252/Cal/81 filed November 12, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims

A process for impregnating porous substances, especially carbon products for the manufacture of electrodes for electro-melting of metals, where the hollow spaces in the porous blank are filled in various stages of treatment comprising first creating vacuum and then pressurising with an impregnating agent, for instance pitch with additives, characterized in that at least one blank is placed into a transportable container enclosing the same relatively closely, whilst in case of several blanks inserted simultaneously the gaps between them are kept as small as possible, and that the container is transported consecutively to treatment stations for the respective stages of treatment and connected in the region of each treatment station with a connecting line for the respective treatment phase.

Compl. Specn. 18 pages. Drgs. 3 sheets.

CLASS : 153; 170-B.

157350

Int. Cl. B 24 d 5/00.

PROCESS FOR PRODUCING RESIN BONDED ABRASIVE ARTICLES SUCH AS GRINDING WHEELS, AND ABRASIVE ARTICLES THEREBY PRODUCED.

Applicant : NORTON COMPANY, OF 1 NEW BOND STREET WORCESTER, STATE OF MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventor : 1. WILLIAM FREDERICK ZIMMER.

Application No. 106/Cal/82 filed January 27, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A process for producing resin bonded abrasive article which comprises .

I. admixing abrasive grains of 4 to 400 grit size (U.S. Standard Sieve Series) and particles of a porous support material as hereinbefore described of 12 to 325 mesh with a coupling agent as hereinbefore described to coat the support material and grains for strong adherence to a resin bond being adhered to the grains and support material with the aid of said coupling agent, the coupling agent being compatible with the resin bond, said resin bond yielding little or no volatiles during its curing so as to effect the bonding and being cured under conditions to limit production of volatiles so as to maintain the amount of interchannel porosity to less than 14% of the total volume of the abrasive article, the porosity of the article being essentially determined by said support material;

II. mixing a liquid wetting agent as herein described with the coated grains;

III. mixing the resin bond in powdered form with the coated grains and support material to complete the mixture;

IV. filling a mold, and pressing the complete mix in said mold, in an amount calculated to produce an inter-channel porosity of less than 14%;

V. removing the resulting green molded abrasive article from the mold and

VI. curing the abrasive article under conditions to produce a cured product having an interchannel porosity of less than 14% whereby the cured molded article is substantially the same size as the green molded article.

Compl. Specn. 21 pages. Drg. nil.

CLASS : 56-B.

157351

Int. Cl. C 10 g 13/02.

A PROCESS FOR CATALYTICALLY HYDROCRACKING A HYDROCARBONACEOUS FEED.

Applicant : MONSANTO COMPANY, AT 800 NORTH LINDBERGH BOULEVARD, ST. LOUIS, MISSOURI 63167, UNITED STATES OF AMERICA.

Inventor : 1. LLOYD GRIFFIN POSEY, JR.

Application No. 279/Cal/82 filed March 11, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A process for catalytically hydrocracking a hydrocarbonaceous feed comprising

(a) cracking in a hydrocracking zone the hydrocarbonaceous feed in the presence of hydrogen and a hydrocracking catalyst under hydrocracking conditions comprising a temperature of at least 250°C and a pressure of at least 75 atmospheres absolute to produce a hydrocrackate wherein the hydrogen is provided in a hydrogen feed gas, said hydrogen feed gas being provided in an amount sufficient to promote hydrocracking and having a concentration of hydrogen sufficient to prevent unduly rapid deactivation of the hydrocracking catalyst;

- (b) passing the hydrocrackate to a first gas-liquid separation zone, said first gas-liquid separation zone being at a pressure of at least 75 percent of the pressure in the hydrocracking zone;
- (c) separating the hydrocrackate in the first gas-liquid separation zone into a first separated vapor phase and a first separated liquid phase;
- (d) passing the first separated liquid phase to a second gas-liquid separation zone, the pressure of said first separated liquid phase in said second zone being between 35 atmospheres absolute and the pressure of said first zone;
- (e) separating the first separated liquid phase in the second gas-liquid separation zone into a second separated liquid phase and a second separated vapor phase, said second gas-liquid separation zone being maintained at a pressure and temperature sufficient such that the second separated vapor phase has a concentration of hydrogen of at least 50 volume percent and a hydrogen partial pressure of at least 20 atmospheres; characterized in that
- (f) contacting at least a portion of the second separated vapour phase with a feed side of a polymeric membrane exhibiting a separation factor of hydrogen over methane of at least 15;
- (g) maintaining the opposite side of the membrane at a pressure sufficiently below the pressure of the second separated vapor phase contacting the feed side of the membrane to permeate hydrogen to the opposite side of the membrane and to provide a hydrogen permeate having a concentration of hydrogen greater than the concentration of hydrogen in the second separated vapor phase, the ratio of the total pressure on the feed side of the membrane to the total pressure on the opposite side of the membrane being at least 3 : 1;
- (h) withdrawing non-permeate from the feed side of the membrane; and removing the hydrogen permeate from the opposite side of the membrane; and
- (i) recycles at least a portion of the hydrogen permeate to the hydrocracking zone as a portion of the hydrogen feed gas.

Compl. Specn. 25 pages, Drg. 1 sheet.

CLASS : 40-F & H. 157352

Int. Cl. C 01 d 53/00; B 01 jj 1/00

A DEVICE FOR SEPARATING COMPONENTS OF A GAS OR VAPOUR FLUID MIXTURE BY MASS.

Applicant : NUSTEP TRENNINDUSEN ENTWICKLUNGS-UND PATENTVERWERTLINGS-GESELLSCHAFT MBH & CO. KG. OF BISMARCKSTRASSE 54, 4300 ESSEN 1 WEST GERMANY.

Inventor : 1. WERNER GROSSTUCK.

Application No. 373/Cal/82 filed April 2, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

5 Claims

A device for separating components of a gas or vapor fluid mixture by mass, comprising a one-piece monolithic passage-forming body generally in the form of a rectangular parallelepiped, said body being formed unitarily with a plurality of mutually parallel spaced-apart partitions with two adjacent partitions defining an elongated passage between them, respective end walls closing said passage alternately on opposite sides of said body, and said passages being closed laterally by opposite lateral walls perpendicular to said partitions and said end walls and disposed on opposite sides of said body, each of said lateral walls being formed with elongated slots disposed on opposite sides of each partition and communicating with a respective passage adjacent a respective partition

and extending parallel thereto, portions of said lateral walls which are coplanar with each partition being formed with an outwardly open flow deflecting groove of curved cross section, each of said lateral walls being formed with an external mounting surface disposed on opposite sides of each groove outwardly of said slots; a respective nozzle-forming strip reaching into each groove and disposed on each mounting surface of said lateral walls on one side of each groove so as to intercept said fluid mixture emerging from respective slots and direct said fluid mixture into and along a respective one of said grooves and a respective skimming baffle reaching into each groove and mounted on said mounting surface opposite that on which said nozzle-forming strip is disposed so as to deflect a heavy component enriched fraction of said fluid mixture into an adjacent one of said passage through respective slots thereof, said baffle and the respective strip of each of said grooves defining a gap between them so as to permit a light component enriched fraction of said mixture to be discharged.

Compl. Specn. 10 pages, Drg. 1 sheet.

CLASS : 35-E; 39-E & J.

157353

Int. Cl. C 01 b 21/06; C 04 b 35/58.

AN IMPROVED PROCESS FOR PREPARING SILICON NITRIDE COMPONENTS HAVING HIGH AND UNIFORM STRUCTURAL STRENGTH.

Applicant : DEGUSSA AKTIENGESELLSCHAFT, OF POSTFACH 1345, D-6450 HANAU 1, RODENBACHER CHAUSSEE 4, WEST GERMANY.

Inventors : 1. KARL-JHEINZ HAMANN, 2. GERHARD REBFR, 3. EKKEHARD LANGE.

Application No. 740/Cal/82 filed June 24, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

An improved process for preparing silicon nitride components having high and uniform structural strength which comprises preparing required moulded silicon components in a manner known *per se* followed by subjecting a charge of moulded silicon components to nitration using nitrogen gas in a reaction furnace characterized in that a pre-set maximum integrated value of nitrogen gas/pressure and nitrogen quantity is selected based on the amount of charge and geometry of charge in the furnace, the nitration conducted at temperatures in the range of 1050° to 1450°C by feeding nitrogen gas at uniform pressure at rate until the preset maximum gas pressure is reached, whereafter heating is interrupted when maximum temperature is reached and quantity of gas fed is reduced by 10% to 50% of the preset quantity to bring about reduction in reaction pressure whereby a lower gas consumption and effective dispersal of the high exothermic temperature from within the interior of the solid is ensured with simultaneous build up of gas pressure, the heating being resumed once again when the gas pressure has built upto the maximum value.

Compl. Specn. 11 pages, Drg. nil.

CLASS : 27-C; 184.

157354

Int. Cl. F2 02 d 29/14.

FIBRE-REINFORCED CONCRETE MANHOLE OR SIMILAR COVERS.

Applicant & Inventor : DR. ANIL KRISHNA KAR, OF 251/A/20, N S C. BOSE ROAD, CALCUTTA 700 047, WEST BENGAL, INDIA.

Application No. 378/Cal/82 filed April 3, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

Fibre-reinforced concrete manhole or similar covers in which fibres of one or more materials as herein described having high tensile strength are distributed in the concrete in a predetermined amount by mixing the fibres to the concrete mixture prior to casting characterised in that the fibres are deformed near the ends and optionally throughout their length.

Compl. Specn. 12 pages. Drg. nil.

CLASS : 129-G.

157355.

Int. Cl. C 21 c 1/00.

PLUNGING CAPSULE

Applicant : GEORG FISCHER AKTIENGESELLSCHAFT CH-8201 SCHAFFHAUSEN, SWITZERLAND.

Inventor : I HANS LUSTENBERGER.

Application No. 436/Cal/82 filed April 20, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

Plunging-capsule for the introduction of volatile additives such as pure magnesium into a pig iron, cast iron or cast steel melt which is charged into a treatment vessel for desulphurisation and/or for the production of nodular graphite iron, compacted graphite iron or magnesium treated malleable iron, said plunging capsule comprising—in its operational position—one opening at least in the lower third portion of the capsule wall and one opening at least in the upper two thirds portion of the capsule wall the total cross section Q_1 of the said opening or openings in the lower third portion of the said capsule wall is equal to or smaller than the total cross section Q_0 of the said opening or openings in the upper two thirds portion of said capsule wall.

Compl. Specn. 12 pages. Drg. nil.

CLASS : 116-G.

157356

Int. Cl. B 65 d 83/00.

DISCHARGING DEVICE FOR A LOOSE MATERIAL BUNKER.

Applicant : & Inventor : LOHTAR TESKE OF HEGEL STR. 15, 5000 KOeln 90, FEDERAL REPUBLIC OF GERMANY.

Application No. 461/Cal/82 filed April 26, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

Discharging device for a loose material bunker, comprising a housing cleaving the lower end of the bunker, provided with a housing bottom with a centrally arranged opening, and a motor-driven paddle wheel rotating over the housing bottom, with at least one removably arranged arm whose drive is transmitted from a drive transmission system located within a hood provided over the housing bottom; the hood is open at the bottom and extends laterally beyond the discharge opening; the hood being held in place by at least one traverse firmly attached to the housing, characterised in that the traverse (9) is of tube-shaped section has an inner width of at least manhole size over its entire length and ends with the one extremity in the hood (8) over a cross-section of at least manhole size while a lockable manhole provided in the housing and accessible from outside is arranged opposite said one extremity of the traverse.

Compl. Specn. 13 pages. Drg. 1 sheet.

CLASS : 40-E.

157357

Int. Cl. B 01 d 57/00.

A VERTICAL COLUMN FOR SEPARATING LIQUID FROM ADMIXTURE WITH GAS.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., OF CAREL VAN BYLANDTLAAN 30, THE HAGUE, NETHERLANDS.

Inventors : 1. JOHAN JAN BARENDE PEK, 2. HUBERTUS JOHANNA ANRIANUS SCHUURMANS.

Application No. 1374/Cal/82 filed November 26, 1982.

Convention dated 27th November 1981 (81 35820) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A vertical column for separating liquid from admixture with gas comprising above the gas inlet of the column at least one set of two horizontal trays with a plurality of vertical swirl tubes containing swirl imparting means, each swirl tube being mounted on an opening in the lower tray and each swirl tube being provided with a primary gas outlet tube of smaller diameter mounted on an opening in the upper tray coaxial with the said swirl tube, the swirl tube extending upwardly in the space between the trays and having its upper end at some distance below the upper tray and the primary gas outlet tube extending downwardly in the space between the trays and having its lower end at some distance below the upper end of the swirl tube, the space between the trays outside the swirl tubes being provided with liquid outlet means and with separate secondary gas outlet means provided in the upper tray for conducting secondary gas from the space between the trays outside the swirl tubes to the space above the upper tray characterized in that the secondary gas outlet means are connected to the inlet end of a secondary separating device for separating liquid from the secondary gas of which the gas outlet means are connected to the same space as the primary gas outlet tubes of the swirl tubes.

Compl. Specn. 10 pages. Drg. 1 sheet.

CLASS : 85-J; 98-F.

157358

Int. Cl. F 27 d 23/00.

INSULATION AND THE PROVISION THEREOF.

Applicant : SAUDER ENERGY SYSTEMS INC., AT 220 WEAVER STREET, EMPORIA, KANSAS 66801, UNITED STATES OF AMERICA.

Inventor : 1. ROBERT ABRAHAM SAUDER.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

35 Claims

An insulation member for insulating a furnace surface, the insulation member comprising :

- (a) an insulation mat (12) of resiliently deformable insulation material having a cold face (16) to be positioned against such a furnace surface (36), and having an opposed hot face (18);
- (b) attachment means (14.1) for attaching the mat (12) to such a furnace surface (36);
- (c) the attachment means (14.1) comprising anchor means (22) which is positioned in the mat (12) in spaced relationship with both the cold face (16) and the hot face (18) to locate the attachment means (14.1) relatively to the mat (12), and connection means (28.1) for attachment to such a furnace surface (36) to attach the member to such a surface;

- (d) the connection means (28.1) being connected to the anchor means (22) to be displaceable relatively thereto, and being recessed inwardly relatively to the cold face (16) for the attachment means (14.1) to compress the cold face (16) of the mat (12) against such a furnace surface (36) when force is applied to the connection means (28.1) to urge it towards such a furnace surface (36) for attachment thereto; and
- (e) the anchor means (22) comprising at least one anchor member (26) which is positioned to extend through the mat for distributing force applied to the connection means (28.1) through the mat for compressing the mat cold face (16) into firm engagement with the furnace surface (36).

Compl. Specn. 60 pages. Drg. 9 sheets.

CLASS : 69-O. 157359

Int. Cl. H 01 h 1/00.

CONTACT ARRANGEMENT FOR ELECTRICAL SWITCHING DEVICES

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : 1. GEORG STREICH, 2. WERNER HARBÄCKER, 3. JOHANN BAUER.

Application No. 932/Cal/82 filed August 6, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A contact arrangement for an electrical switching device which comprises : a contact bridge holder; a moveable contact bridge having a mounting portion by which the bridge is mounted in the holder; a pair of contacts provided one on each side of the mounting portion of the contact bridge, each contact being arranged at the end of an offset portion which extends away from, and in a different plane to the mounting portion; a mounting plate arranged in the holder to hold the mounting portion in position in the holder; and a contact pressure spring arranged to apply spring biasing to the mounting plate and the contact bridge in the direction of movement of the contact bridge holder when the latter is moved so as to bring the contacts of the contact bridge into contact with respective fixed contacts; the said contact bridge being split longitudinally into two parts, and the width of each offset portion is less than the maximum width of the contact bridge.

Compl. Specn. 9 pages. Drg. 1 sheet.

CLASS : 40-C. 157360

Int. Cl. C 07 c 85/00.

AN IMPROVED PROCESS FOR MICROENCAPSULATION OF AN AQUEOUS AMINE SOLUTION.

Applicant : MARS, INCORPORATED OF WESTGATE PARK, 1651 OLD MEADOW ROAD, MCLEAN, VIRGINIA 22102-4356, UNITED STATES OF AMERICA.

Inventor : 1. LAWRENCE THOMAS HAYWORTH.

Application No. 945/Cal/82 filed August 11, 1982.

Convention dated 11th August, 1981 (81 24563) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.
2-487 GI/85

10 Claims

An improved process for microencapsulation of an aqueous amine solution by emulsifying the aqueous solution in an organic liquid and forming a polymer membrane round the droplets by interfacial polymerisation by reaction with a polybasic acid chloride or anhydride which comprises the step of terminating the polymerisation reaction by introducing water into the reaction medium in sufficient quantity to react with and destroy residual acid chloride or anhydride groups.

Compl. Specn. 14 pages. Drg. nil.

CLASS : 67-A; 105-C; 168-C.

157361

Int. Cl. G 08 b 5/00.

SOLID STATE AUDIO-VISUAL ALARM ANNUNCIATOR

Applicant : PROJECT & DEVELOPMENT INDIA LIMITED, C.I.F.T. BUILDING, P.O. SINDRI DIST. BIHAR, BIHAR, INDIA, (PIN-828122).

Inventors : 1. DR. GURUDAS DUTTA, 2. Sri CHINMOY BANERJEE.

Application No. 953/Cal/82 filed August 16, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

An annuator for providing an audio and visual signal of a fault in a plurality of instruments and/or devices having processor controls determined by switching contacts, each of said instruments and/or devices having a pair of contacts, each of said contacts being capable of providing an output in the event of a change of state of said contacts which are in operational association with a processor having a first output terminal connected to a first display device to indicate the state of said device, said processor having a second output terminal connected to a second display device having a flashing mode and a continuous mode such that the flashing mode is converted to a continuous mode upon actuation of an acknowledgement circuit, said device indicating the state of said contacts, said processor having a third output terminal connected to an audio circuit, said acknowledgement circuit being also connected to said audio circuit, a single acknowledgement and audio circuit being provided for all of said pairs of contacts.

Compl. Specn. 15 pages. Drg. 1 sheet.

CLASS : 65-B₄.

157362

Int. Cl. G 05 f 1/14.

VOLTAGE REGULATING TRANSFORMER

Applicant : McGRAW-EDISON COMPANY, OF 1701 GOLD ROAD, ROLLING MEADOWS, ILLINOIS 60008, USA.

Inventors : 1. JAMES ARNOLD JINDRICK, 2. JAMES ROBERT HURLEY, 3. CLYDE GILKER, 4. NARESH KUMAR NOHRIA, 5. JAMES ANTHONY BARANOWSKI, 6. THOMAS GERORD DOLNIK.

Application No. 1076/Cal/82 filed September 17, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

A voltage regulating transformer, comprising :

(a) a first winding defining a first plurality of turns and having an associated input terminal adapted to be connected to a source of A.C. voltage;

(b) a second winding, electromagnetically coupled to said first winding, defining a second plurality of turns and having an associated output terminal;

- (c) changer means, operated in response to an analog control signal supplied thereto, for changing the ratio of turns through which current flows through said first winding and said second winding, whereby the voltage at said output terminal varies in response to said analog control signal when A.C. voltage is applied to said input terminal;
- (d) voltage output signalling means, operatively connected to said output terminal, for producing a plurality of digital voltage signals representative of the instantaneous A.C. voltage at said output terminal;
- (e) digital input means for producing a reference digital voltage signal representative of the RMS voltage to be maintained at said output terminal over the period of said A.C. voltage;
- (f) digital computer means including means for transforming said plurality of digital voltage signals from the time domain into the frequency domain to obtain a measured digital voltage signal representative of the RMS voltage at said output terminal over the period of said A.C. voltage and for generating a digital control signal representative of the difference between said measured digital voltage signal and said reference digital voltage signal; and
- (g) converter means for converting said digital control signals to an analog control signal to operate said changer means,

whereby said changer means is operated in response to the RMS voltage at said output terminal over the period of the A.C. voltage applied to said input terminal.

Compl. Specn. 55 pages. Drgs. 16 sheets.

CLASS : 62-D.

157363

Int. Cl. B 29 d 27/02.

DEVICE FOR APPLYING FOAM TO TEXTILES

Applicant : WEST POINT-PEPPERELL, INC., 400 WEST 10TH STREET, WEST POINT, STATE OF GEORGIA, 31833 UNITED STATES OF AMERICA.

Inventor : 1. JOSEPH ALBERT PACIFICO.

Application No. 1204/Cal/82 filed October 14, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A device for applying foam to textiles, comprising :

a pair of concentrically arranged pipes having different sizes so as to define a space therebetween;

at least one longitudinally extending slit provided in the inner one of the concentric pipes;

a longitudinally extending slit provided in the outer one of the concentric pipes and angularly offset with respect to the slit in said inner pipe; and

a porous bed of material such as herein described, filling the space between the inner and outer pipes, the arrangement being such that foam supplied through the inner pipe is adapted to be blown through the porous bed before being discharged through the slit provided in the outer pipe.

Compl. Specn. 9 pages. Drg. 1 sheet.

CLASS : 51-D.

157364

Int. Cl. B 26 b 21/16.

SAFETY RAZORS

Applicant : HARBANS LAL MALHOTRA & SONS LTD., OF NO. P-12, NEW C.I.T. ROAD, CALCUTTA-700073, STATE OF WEST BENGAL, INDIA.

Inventor : 1. NAVIN PRAKASH MALHOTRA.

Application No. 1419/Cal/82 filed December 7, 1982.

Complete Specification left on 28th December, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A safety razor comprising a handle formed with a hole adjacent its upper end the axis of the hole being inclined to the longitudinal axis of the handle, and a carrier for a cartridge having one or more single edged blades, secured in the hole by fixing means, the holder being in the form of a hollow tube formed with slots or slits extending from the open ends thereof and with a lever member fitted in each pair of slots or slits and secured to the carrier by a pin and connected together by a helical spring, each lever member being formed with an inwardly directed hook at one end and an ear at the other, the lever members being adapted to be pivoted about the said pins by pressing together the ears to move the hooks away from each other and to make them engage a blade cartridge on release of the ears.

Provisional Specn. 4 pages. Drg. nil.

Complete Specn. 11 pages. Drgs. 2 sheets.

CLASS : 116-C.

157365

Int. Cl. B 65 g 21/00.

ARRANGEMENT FOR TRANSFERRING HEAVY WORK PIECES

Applicant & Inventor : SVEN-ERIK SCHEDWIN, OF BOX 8260, FALUN, SWEDEN.

Application No. 1472/Cal/82 filed December 21, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

Arrangement for transferring heavy work pieces from a transport or storage position to at least one machining position or reverse, characterized in that there is provided a housing (11) which is rotatably journaled in a base (12), a pair of arms (13) that are telescopically extendable for bridging the distance between said positions have their inner ends attached to the outside of the housing and by support means (14, 15) which, in the fully or partly extended position for the arms (13) engage and support the arms adjacent their outer ends.

Compl. Specn. 10 pages. Drgs. 2 sheets.

CLASS : 32-E; 104-K.

157366

Int. Cl. B 29 d 27/00.

PROCESS FOR PRODUCING UREA-FORMALDEHYDE FOAMED PLASTIC

Applicant : VSESOUJZNY NAUCHNO-ISSLEDOVATEL'SKY INSTITUT SINTETICHESKIH SMOL, OF VLADIMIR, ULITSA FRUNZE, 77, U.S.S.R.

Inventors : 1. NADEZHDA IVANOVNA BORODKINA, 2. JURY ALEXANDROVICH KURYSHIN, 3. LJUDMILA ALEXANDROVNA BOLDINA, 4. VASILY DMITRIEVICH VALGIN, 5. VALERY NIKOLAEVICH SHMELEV, 6. ALBINA IVANOVNA TSARUK, 7. LJUDMILA VIKTOROVNA FADEEVA.

Application No. 5/Cal/83 filed January 1, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A process for producing a urea-formaldehyde foamed plastic comprising preliminarily dispersing an aqueous solution of a more than 65% urea-formaldehyde resin with a viscosity of up to 2,500 mPa.s the temperature of 20°C with a compressed inert gas under the pressure of (2.0-10.0)×10⁶ Pa. whereafter the dispersed resin is introduced into the stream of a blowing curing agent comprising an aqueous solution of a surfactant such as herein described and an acid catalyst such as herein described at the following ratio of the dispersed resin and the blowing curing agent -1 : (0.5-2.5) respectively; as the surfactant use is made of salts of sulphonated aliphatic alcohols of the general formula :



wherein M is Na, K, NH₄, [(CH₂CH₂OH)₂NH]⁺, R is radical of aliphatic alcohols with a number of carbon atoms of from 8 to 20 or triethylamine salts of an alkyl-benzene-sulphonic acid.

Compl. Specn. 25 pages. Drg. nil.

CLASS : 179-F.

157367

Int. Cl. B 67 d 5/06.

A LIQUID DISCHARGE DEVICE OR DISPENSER.

Applicant : LEO PLASTICS (PRIVATE) LTD., CHARTERED BANK BLDG, CALCUTTA-700 001, STATES OF WEST BENGAL, INDIA.

Inventor : 1. MR. GURU DAS PAL.

Application No. 134/Cal/83 filed February 4, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A liquid discharge device or dispenser for fitting on a container such as a bottle and having means for causing the liquid contained in the bottle to be dispensed by pressing a discharge nozzle which device comprising a nozzle having an outlet passage, said nozzle communicating with a piston and movable therewith, the piston having a bore, and slidably fitted within a cylinder, a coiled spring within the cylinder which is held against the piston, a non-return valve in the cylinder below the said spring, said cylinder being in communication with a liquid within the bottle, so that when the nozzle and therewith the piston are pushed down to work in the cylinder, the liquid within the bottle is pushed up to be ejected through a spout of the nozzle.

Compl. Specn. 10 pages. Drgs. 2 sheets.

CLASS : 55 F.

157368

Int. Class : A01n 5/00.

"PROCESS FOR THE PREPARATION OF COMPOSITIONS FOR DEFOLIATING AND/OR REGULATING THE GROWTH OF PLANTS".

Applicant : SCHERING AKTIENGESELLSCHAFT, A BODY CORPORATE ORGANISED ACCORDING TO THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF BERLIN AND BERGKAMEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : REINHART RUSCH, HANS-RUDOLF KRUGER & EBERHARD RICHTER.

Application for Patent No. 653/Del/81 filed on 12th October, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

22 Claims

A process for the preparation of a composition for defoliating and/or regulating the growth of plants which comprises admixing a defoliating and/or growth-regulating compound selected from 1, 2, 3-thiadiazol-5-yl-urea derivatives with a basically reactive substance such as herein described at a pH-value greater than 8 and the ratio by weight of the defoliating and/or growth-regulating compound to the basically reactive substance is within the range of from 1 : 0.5 to 1 : 1000.

Compl. Specn. 28 pages. Drg. 1 sheet.

CLASS : 70A.

157369

Int. Class : Hoim -11/00 & Boik-3/12.

"RECHARGEABLE, NON-AQUEOUS ELECTRO-CHEMICAL CELL HAVING AN ACTIVE METAL ANODE AND METHOD FOR PRODUCTION THEREOF".

Applicant : DURACELL INTERNATIONAL INC., OF BERKSHIRE INDUSTRIAL PARK, BETHEL, CONNECTICUT-06801 U.S.A., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA.

Inventors : WILLIAM LEE BOWDEN AND ARABINDA NARAYAN DEY.

Application for Patent No. 654/Del/81 filed on 12th October 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

15 Claims

A rechargeable, non-aqueous electrochemical cell comprising an active metal anode and an electrolyte salt having an anode metal cation and an anion characterized in that said anion includes gallium and halogen atoms and that said salt is dissolved in a totally inorganic solvent which consists essentially of sulfur dioxide.

Compl. Specn. 16 pages. Drg. 1 sheet.

CLASS : 70 C 5.

157370

Int. Class : Boik-1/00.

"METHOD FOR PRODUCING AN IMPROVED SAFE NON-AQUEOUS ELECTROCHEMICAL CELL AND CELL PRODUCED THEREBY".

Applicant : DURACELL INTERNATIONAL INC., OF BERKSHIRE INDUSTRIAL PARK, BETHEL, CONNECTICUT-06801, UNITED STATES OF AMERICA, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA.

Inventors : WILLIAM LEE BOWDEN AND PETER RICKER MOSES.

Application for Patent No. 655/Del/81 filed on 12th October, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005,

12 Claims

A method for producing an improved safe non-aqueous electrochemical cell containing an alkali or alkaline earth metal electrolyte salt a normally volatile solvent and a second solvent characterised in that said method comprises the steps of complexing said normally volatile solvent with said alkali or alkaline earth metal electrolyte salt in stoichiometric relationship in a manner such as herein defined and adding said complex of said electrolyte salt and said normally volatile solvent to said second solvent and thereby producing a cell substantially free of uncomplexed normally volatile solvent.

Compl. Specn. 9 pages. Drgs. 1 sheet.

CLASS : 60 B, 76E, 129G & 136E. 157371

Int. Class : A43c 11/00, A41f 1/00, A44b 19/42, 19/00 & B29d 5/00.

"APPARATUS FOR DISPENSING FASTENERS".

Applicant : DENNISON MANUFACTURING COMPANY, A CORPORATION OF THE STATE OF NEVADA WITH ITS PRINCIPAL PLACE OF BUSINESS AT 300 HOWARD STREET, FRAMINGHAM, MASSACHUSETTS 01707, UNITED STATES OF AMERICA.

Inventor : DAVID BATES RUSSELL.

Application for Patent No. 704/Del/81 filed on 9th November, 1981.

Divisional to patent application No. 869/Del/78 (150283).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

17 Claims

Apparatus for dispensing fasteners each having a flexible filament and a transversely disposed end-bar, said apparatus comprising :

a casing,

a needle mounted on said casing, said needle having a longitudinal bore adapted to receive slidably said fastener end-bar and a slot communicating with said bore adapted to receive slidably said filament,

means within said casing for advancing a fastener from a first position remote from said needle bore to a second position adjacent said needle bore with said end-bar transversely disposed to the longitudinal axis of said needle bore,

means reciprocable in said casing for aligning said end-bar with said needle bore, and

means also reciprocable in said casing for dispensing said end-bar through said bore.

Compl. specn. 23 pages. Drgs. 6 sheets.

CLASS : 98 I. 157372

Int. Class : F24i 3/02.

"A MULTIFOCAL SOLAR ENERGY CONCENTRATOR".

Applicant : ALFREDU M. ANOS, A PHILIPPINES CITIZEN OF 6 ANAK BAYAN, SAN FRANCISCO DEL MONTE, QUEZON CITY, THE PHILIPPINES.

Inventors : ALFRED M. ANOS.

Application for Patent No. 705/Del/1981 filed on 9th November, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A multifocal solar energy concentrator comprising a plurality of horizontally and laterally disposed narrow strips and a narrow middle strip, said horizontally and laterally disposed narrow strips extending outwardly from both sides of said narrow middle strip each of said horizontally and laterally disposed strips having a predetermined angle of inclination with reflective surfaces, said narrow inclined surfaces adapted to reflect multifocally solar energy to an area of concentration spaced upwardly of said inclined strips.

Compl. specn. 8 pages. Drgs. 4 sheets.

CLASS : 107C. 157373

Int. Class : F02d 39/00.

"IMPROVEMENTS IN SPLIT CYCLE INTERNAL COMBUSTION ENGINES".

Applicant : JOHN DONALD WISHART, OF 8 CHAPEL STREET, BLACKBURN, VICTORIA, 3130, AUSTRALIA, AN AUSTRALIAN CITIZEN.

Inventor : JOHN DONALD WISHART.

Application for Patent No. 706/Del/81 filed on 9th November, 1981.

Convention date 13th November, 1980/PE6471/(Australia) & 4th May, 1981/(PE8689)/(Australia).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A spark ignition internal combustion engine comprising a firing cylinder and a compression cylinder having reciprocating therein respectively a power piston and a compression piston connected to a common crankshaft, a combustion chamber defined by the firing cylinder head, at least one recess containing valve heads and spark plug electrodes, and the crown of the moving power piston, characterised by means directing into the combustion chamber in advance of the spark as the power piston approaches or reaches top dead centre a spark ignitable pilot charge composed of fuel mixed before or after admission with compressed air from the compression cylinder at a pressure below 2000 kPa, electrical means producing a spark across the electrodes at or near top dead centre, and means directing into the combustion chamber after the spark and while the piston is moving away from the cylinder head on the first part of the power stroke a second charge composed of fuel mixed before or after admission with compressed air from the compression cylinder at a pressure greater than 2000 kPa.

Compl. Specn. 15 pages. Drgs. 3 sheets.

CLASS : 128 K & 171. 157374

Int. Class : G02b 25/00.

"AN INTRAOCCULAR LENS FOR PLACEMENT IN THE POSTERIOR CHAMBER OF THE HUMAN EYE".

Applicant : GERALD DALE FAULKNER, OF SUITE 714, 1380 LUSITANA STREET, HONOLULU, HAWAII 96813, UNITED STATES OF AMERICA, A CITIZEN OF THE UNITED STATES OF AMERICA.

Inventor : GERALD DALE FAULKNER.

Application for Patent No. 717/Del/81 filed on 17th November, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

15 Claims

An intraocular lens for placement in the posterior chamber of the human eye, said lens having an optic, support means for engaging eye structure to support the optic in said posterior chamber in alignment with the eye anterior posterior axis, and retaining means for engaging the anterior surface of the iris to impede posterior dislocation of the optic characterized in that the support means includes a pair of filaments embedded in the optic at the posterior side thereof, the retaining means includes a pair of filaments embedded in the optic at the anterior side thereof, all said filaments extending radially from the optic and having tips remote from the optic which are devoid of sharp edges, the support filaments and retaining filaments being located at generally diametrically opposed locations on said optic with each support filaments being aligned with one of the retaining filaments, the tips of all said filaments being defined by a bight included in the respective filaments.

Compl. Specn. 21 pages. Drgs. 3 sheets.

CLASS : 19A.

157375

Int. Class : F16b, 33/00, 37/00.

"A NUT INCORPORATING RESISTANCE MEANS".

Applicants : THE TITAN MANUFACTURING CO. PTY. LTD., A COMPANY INCORPORATED IN THE STATE OF VICTORIA, OF WOODSTOCK STREET, MAYFIELD, NEW SOUTH WALES 2304, AUSTRALIA.

Inventor : HAMILTON RICHARD JOHN WILLIAM.

Application for Patent No. 718/Del/81 filed on 18th November, 1981.

Convention date 18-11-80/PE 6531/(Australia).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

11 Claims

A nut incorporating resistance means engaged with part of the interior of the nut leaving at least one full turn of the thread at one end of the nut free or exposed, said resistance means comprising a plug having a plurality of portions whereby insertion of the plug within the interior of the nut and forced movement of said portions relative to one another causes outward expansion of the plug and engagement thereof with part of the interior of the nut, said plug being engaged with said part to provide a predetermined resistance to the further rotation of a bolt engaged with the free turn of thread and advanced in the nut until the end of the bolt abuts the plug, said plug being expelled when torque applied to said bolt exceeds a value corresponding to said predetermined resistance.

Compl. Specn. 9 pages. Drg. 1 sheet.

CLASS : 85 P.

157376

Int. Class : C04b 7/44.

"AN IMPROVED MULTI STAGE SUSPENSION PREHEATER FOR CEMENT CALCINING PLANT".

Applicant : ALLIS CHALMERS CORPORATION, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 1126 SOUTH 70TH STREET, WEST ALLIS 14, WISCONSIN, UNITED STATES OF AMERICA.

Inventor : PAUL DALE HESS.

Application for Patent No. 727/Del/81 filed on 24th November, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

An improved multi stage suspension preheater for cement calcining plant having series flow connected separators at successively different stages starting with a lowermost stage and ending with an uppermost stage for separating cement from gas in which the meal is suspended characterized in that the separators in a plurality of said stages are helical duct inertial separators each of which comprises an elongated helical duct having its longitudinal axis disposed along a path which generally follows a fractional turn of a vertical axis helix and has an inlet adjacent one end in a vertical plane for receiving a horizontal stream of gas with meal suspended therein, upper and outer side wall portions for directing said horizontal stream into a generally downward inclined helical path within said duct, and gas exhaust and meal exit openings respectively in the upper and lower surfaces of said duct adjacent its outlet end; and in that a fan is provided for sucking said gas upwardly through said flow connected helical duct separators and through said associated gas exhaust openings in series while said meal is precipitated from said gas and flows under centrifugal and inertial forces downwardly through said meal exit openings.

Compl. Specn. 19 pages. Drgs. 4 sheets.

CLASS : 130 I.

157377

Int. Class : C22b, 19/00.

"PROCESS FOR RECOVERING ZINC FROM ZINC FERRITE MATERIAL".

Applicant : SHERRITT GORDON MINES LIMITED, A COMPANY ORGANIZED UNDER THE LAWS OF THE PROVINCE OF ONTARIO, HAVING ITS HEAD OFFICE AT 2800 COMMERCE COURT WEST, TORONTO, ONTARIO, CANADA.

Inventors : GERALD LLOYD BOLTON AND DONALD ROBERT WEIR.

Application for Patent No. 744/Del/1981 filed on 26th November, 1981.

Convention date 5-8-81/383,267/(Canada).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A process for recovering zinc from material containing zinc ferrite comprising leaching said ferrite containing material together with iron-containing zinc sulphide containing material in a leach step, with the relative amounts of ferrite material and zinc sulphide material being such that the zinc present as zinc ferrite is in the range of from 5% to 40% of the total zinc content of the ferrite material and the zinc sulphide material, said leach step being carried out in aqueous sulphuric acid solution at elevated pressure under oxidizing conditions and at a temperature above the melting point of sulphur to cause dissolution of a substantial amount of zinc from the ferrite material and from the sulphide material to produce a leach solution and undissolved residue, and separating the leach solution from the undissolved residue.

Compl. Specn. 17 pages. Drgs. 3 sheets.

OPPOSITION PROCEEDINGS

(1)

An opposition has been entered by Shri Biren Das Gupta to the grant of a patent on application No. 156685 made by Shri Dipak Kr. Roy and Shri Sunil Chandra Mondal.

(2)

The application for Patent No. 150346 made by M/s. Resorts Industries, in respect of which opposition was entered by the Research, Designs & Standard Organisation, Ministry of Railways, as notified in Gazette of India, Part-II, Section 2 dated 2nd April 1983 has been treated as withdrawn.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The Claim made by Messrs Richardson and Cruddas (1972) Limited, under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 123/MAS/82 in their name has been allowed.

CORRECTION OF CLERICAL ERRORS UNDER SECTION 78(3)

(1)

The title of the invention and the complete specification in respect of patent application No. 151937 (earlier No. 10/Mas/81) the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 3rd September, 1983 has been corrected under Section 78(3) of the Patents Act, 1970.

(2)

The statement of the specification in respect of Patent Application No. 153597 (earlier numbered as 91/Cal/80) the acceptance of the Complete Specification of which was advertised in Part III, Section 2 of the Gazette of India dated the 28th August, 1985 has been corrected under Section 78(3) of the Patents Act, 1970.

(3)

Title of the invention in the Provisional and Complete Specification in respect of Patent application No. 148094 (earlier number 18/Bom/77) the acceptance of which was notified in Part III, Section 2 of the Gazette of India dated the 18th October, 1980 has been corrected and claims 1 to 4 has been deleted and remaining claims suitably renumbered and description amended under section 78(3) of the Patents Act, 1970.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the underlined specifications are available for sale from the Patent Office, Calcutta and its branches at Bombay, Madras, and New Delhi at two rupees per copy :—

(1)

143617

(2)

143821

(3)

144166

(4)

144203

(5)

144238 144239 144243

(6)

144345 144371 144403

(7)

144629

(8)

144666

(9)

144682

(10)

144726

(11)

144493 144501 144503 144507 144508 144516 144517 144520
144523 144525 144526 144528 144529 144540 144551 144555
144558 144560

(12)

144762 144766 144773

(13)

154780 154785 154797

154798 154801 154806

(14)

144816 144817 144841 144853

(15)

144864 144865 144866 144869 144870

144877 144879 144881 144890 144903

(16)

144912 144933 144945 144947

(17)

145069 145091

(18)

145107 145108 145110 145112 145123

(19)

145131 145133 145135 145152 145160 145163

(20)

145196 145217 145220 145222 145224

(21)

145234 145236 145239

(22)

145318 145319 145320 145321 145323 145324

145326 145329 145334

PATENTS SEALED

145575 145705 150783 151439 152287 152527 153131 154812
154970 154997 155059 155061 155065 155066 155067 155071
155072 155138 155144 155145 155150 155157 155171 155185
155188 155192 155203 155211 155212 155218 155220 155223
155225 155230 155238

AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

The amendments proposed by Cornelis Hubers, of 11, Slingelaantje, Harderwijk, The Netherlands, of Dutch Nationality in respect of Patent application No. 146410 as advertised in Part III, Section 2 of the Gazette of India dated the 10th August, 1985 have been allowed.

(2)

Notice is hereby given that Omnium Financier Aquitaine Pour L'Hygiene Et La Sante (Sanofi), Tour Aquitaine, F-92400, Courbevoie, France have made an application under section 57 of the Patents Act, 1970 for amendment of the application, specification and drawings of their patent application, No. 152974 for "Process for preparing novel decahydroquinolinol derivatives". The amendments are by way of changing the name and address. The application for amendment and proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 or copies of the same can be inspected free of charge and a copy of the same can be had on payment of usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on prescribed Form 30 within three months from the date of the notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

CHEM. ENGG. LIST NO. XIV.

COMMERCIAL WORKING OF PATENTED INVENTION

The following Patents in the field of Chemical Engineering Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under section 146(2) of the Patents Act, 1970, in respect of Calendar year 1983, generally on account of want of requests for licences to work the said Patents commercially may contact the Patentees for the grant of a licence for the purpose.

Sl. No.	Patent No.	Date of Patent	Name and Address of the Patentee.	Title of the Invention
1	2	3	4	5
1.	149379	24-7-1978	JOHNSON & JOHNSON, 501, George Street, New Brunswick, New Jersey, U. S. A.	Water based pressure sensitive adhesive and process for making the same.
2.	149900	11-7-1980	INDIAN SPACE RESEARCH ORGANISATION DEPT. of space, 'F' Block, Cauvery Bhavan, District office Road, Bangalore 56.	A process for the production of poly-hydroxy ester resins.
3.	149920	14-5-1979	UNION CARBIDE CORPORATION, 270 Park avenue, New York, State of New York 10017, U. S. A.	Process for the preparation of water soluble pesticidal quaternary ammonium salt compound.
4.	149929	26-10-1978	MITSUI TOATSU CHEMICALS INC. NO. 2-5, Kasumigaseki, 3-chome, Chiyoda-ku, Tokyo, Japan.	Improved process for preparing organic isocyanates.
5.	149944	3-7-1978	BIOMECHANICS LIMITED, Smarden, Ashford, Kent, England.	Method of treating biodegradable waste material by anaerobic digestion and an apparatus for carrying out the said method.
6.	149952	2-1-1979	HILDS BOLLI, 211, Bis, Avenue Charles de Gaulle 92200, Neuilly surseine, France.	An apparatus for treating organic waste to obtain a product suitable for soil enrichment or where possible for feeding to animals.
7.	149972	12-12-1980	UBE INDUSTRIES LIMITED, No. 12-32, Nishi-Houmachi, 1-Chome, Ube-shi, Yamaguchi-ken, Japan.	Process for preparing 5-amino, 1, 2, 3, thiadiazoles.
8.	149987	22-7-1978	SHIN-ETSU-CHEMICAL CO. LTD., 6-1, Otemachi, 2-chome, chiyoda-ku, Tokyo, Japan.	An improved method for the polymerization of vinyl chloride monomers.
9.	149993	20-9-1978	METALLGESELLSCHAFT AG. 16 Frankfurt AM, Reuterweg, West Germany.	Process of directly reducing iron-oxide containing material.
10.	150013	14-6-1978	GENERAL ELECTRIC COMPANY 1, River Road, Schenectady, State of New York 12305, U. S. A.	Process for making a sintered polystyrene cubic boron nitride compact.
11.	150020	3-7-1980	HINDUSTAN CIBA-GEIGY LIMITED, Aarey Road, Goregaon East, Bombay 400063, Maharashtra, India.	A process for the preparation of pharmaceutically active new guanidine derivatives.
12.	150029	27-11-1979	HINDUSTAN LEVER LIMITED, Hindustan Lever House, 165-166 Backbay, Reclamation, Bombay 20, Maharashtra, India.	A process for making an improved dimensionally stable detergent bar.
13.	150035	26-11-1979	INDIAN EXPLOSIVES LIMITED, ICI House, 34 Chowringhee Road, Calcutta 700071, West Bengal, India.	Dry blasting explosive composition having increased initiation sensitivity and method for the preparation thereof.
14.	150047	3-12-1979	M/S. CAMPHOR AND ALLIED PRODUCTS LTD., Jehangir Building 133, Mahatma Gandhi Road, Bombay 400 023, India.	A process for the preparation of a mixture of Cis-pinacol and 3a, 4a epoxy-carane.
15.	150073	12-11-1980	HINDUSTAN CIBA-GEIGY LIMITED, Aarey Road, Goregaon East, Bombay 400 063, Maharashtra, India.	A process for the manufacture of 4-iso-thiolyanato-4-nitro-4-nitro diphenylamine.
16.	150090	8-3-1979	THE LUBRIZOL CORPORATION, 29400 Lakeland Blvd. Wickliffe, Ohio 44092, U. S. A.	Process for preparing an additive composition.

1	2	3	4	5
17.	150106	28-12-1979	F. HOFFMANN-LA ROCHE & CO. AG., 124-184 Grenzacherstrasse, Basel, Switzerland.	Process for the manufacture of novel 1-(pm-phenyl)-2-pyrrolidinone.
18.	150112	21-4-1981	Banamali Sen, 20, Brindaban mullick Lane, Calcutta, 700 009, West Bengal, India.	Carbonising furnace for domestic fuel.
19.	150133	6-11-1979	AMERICAN HOME PRODUCTS 685, Third Avenue, New York 10117, U. S. A.	Process for preparing urea derivative.
20.	150159	11-5-1978	PHILLIPS PETROLEUM COMPANY Bartlesville, State of Oklahoma, U. S. A.	Process for recovery of pure tube oil stock.
21.	150193	20-11-1978	JOHN WYETH & BROTHER LTD. Huntercombe Lane South Taplow, Maidenhead, Berkshire, England.	Process for the preparation of hexa- hydroazepine piperidine and phthroliaine derivatives.
22.	150196	28-11-1978	IMPERIAL CHEMICAL INDUSTRIES LTD., Imperial Chemical House, Thomas House North, Mill bank London, SW1P, 3JF, England.	Process for the manufacture of phthalazine 4-ylacetic acid derivatives.
23.	150202	20-11-1978	JOHN WYETH & BROTHER LTD. HUNTERCOMBE LANE, Louth Taplow, Maidenhead, Berkshire, England.	Process for the preparation of hexa- hydroazepine, piperidines and pyrrolidine derivatives.
24.	150249	20-3-1979	HINDUSTAN LEVER LTD., Hindustan, Lever House, 165-166 Backbay, Reclama- tion Bombay-20, Maharashtra, India.	Non-germicidal deodorant toilet soap bar and process for preparing the same.
25.	150256	3-7-1980	HINDUSTAN CIBA-GEIGY LIMITED, Arey Road, Goregaon East, Bombay- 400 063, Maharashtra, India.	A process for the preparation of new guanidine derivatives.
26.	150271	21-9-1978	WILLIAM VINCENT YOUDELIS, 1935 West Grand Boulevard, Windsor, Ontario, Canada.	Process for the preparation of a base alloy of silver-copper germanium.
27.	150279	23-11-1979	PFIZER INC. 235 East 42nd Street, New York, State of New York, U. S. A.	A process for preparing N (tetrazol-5 yl) prostaglandin carboxamides.
28.	150281	29-11-1978	UOP INC. TEN UOP PLAZA, Algonquin & Mt. Prospect Rd. Des Plaines, Illinois 60016, U. S. A.	Process for dehydrogenating a hydrocarbon charge stock for preferred recovery of mono-olefins.
29.	150282	30-11-1978	ISIKAWAJIMA-HARIMA JUKOGYO KABUSHIKI KAISHA, No. 2-1, 2-chome, ote-Machi, hiyoda-ku, Tokyo- to, Japan.	A floating layer type reduction process for iron ore.
30.	150288	21-9-1978	WILLIAM VINCENT YOUDELIS 1935, West Grand Boulevard, Windsor Ontario, Canada.	Process for preparation of an alloy of silver copper germanium & tin.
31.	150314	13-10-1978	GENERAL ELECTRIC COMPANY 1, River Road, Schenectady 5, New York, U. S. A.	A process for preparing a polycrystal- line diamond body.
32.	150315	13-10-1978	Do.	Process for preparing an integral com- posite of a polycrystalline diamond body and silicon carbide or siliconnitride substrate.
33.	150328	27-12-1979	POLYSAR LIMITED, Sarnia, Ontario, Canada.	Apparatus for the sampling and dilution of a sample from a fluid stream.
34.	150334	1-9-1978	PFIZER INC. 235 East 42nd Street, New York, State of New York, U. S. A.	Process for the preparation of 3-(2-hydroxy- 4-(substituted phenyl) cycloalkanol, analgesic agents and their derivatives.
35.	150337	9-11-1978	SOCIETE DE CONSEILS DE, RE- CHERCHES ET D'APPLICATIONS SCIENTIFIQUES, 264, rue du Aubourg St. Honore, 75008, Paris, France.	Process for the preparation of a new pyridine derivative.
36.	150353	18-7-1978	PFIZER INC. 235 East 42nd Street, New York, State of New York, U. S. A.	A process for preparing antiviral amine derivatives of glycerol and propanediols.

1	2	3	4	5
37.	150354	18-7-1978	PFIZER INC. 235, East 42nd Street, New York, State of N. Y. U. S. A.	A process for preparing antiviral amine derivatives of glycerol and propylene diols.
38.	150355	1-4-1978	Do.	A process for the preparation of 3-(2-Hydroxy-4-(substituted) phenyl)cyclohexanone analgesic agents.
39.	150387	30-8-1979	METALLGESELLSCHAFT AG, 16, Frankfurt A. M. Reuterweg, West Germany,	Process of briquetting sponge iron containing material.
40.	150394	8-11-1978	B'ENTERPRISES PTY. LTD; 55 Collins Street, Melbourne, Victoria, 3000, Australia,	Process for preparing a protein containing food material.
41.	150395	20-11-1978	PFIZER INC. 235, East 42nd Street, New York, State of New York, U. S. A.	Process for preparing 4—"deoxy-4"-acylamido derivatives of oleandomycin erythromycin and erythromycin carbonate and pharmaceutically acceptable salts thereof.
42.	150399	30-11-1978	FMC. CORPORATION, 2000 Market Street, Philadelphia, Pennsylvania 19103, U. S. A.	Process for the preparation of insecticidal perhaloalkyl vinyl cyclopropane carboxylate.
43.	150407	20-11-1978	PFIZER INC. 235 East 42nd Street, New York, State of New York, U. S. A.	Process for preparing 4"-deoxyamino acylamido derivatives of erythromycyclamine.
44.	150411	5-12-1978	ICI LTD, Imperial Chemical House, Mill bank, London SW1P, 3JF, England,	Hardenable resin composition with enhanced fire resistant properties.
45.	150451	2-11-1979	PEICO ELECTRONICS & ELECTRICALS LTD, Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay 400 018, Maharashtra, India,	Moisture-proof mica and a non-sealed capacitor containing the same as dielectric.
46.	150459	11-6-1979	M/S CAMPHOR AND ALLIED PRODUCTS LIMITED, Jehangir Building, 133, Mahatma Gandhi Road, Bombay 400 023, India,	A process for the optical purification of partially racemic (-) menthol to optically pure (-) menthol.
47.	150476	20-11-1978	UNION CARBIDE CORPORATION, 270 Park Avenue, New York, State of New York-10017 U. S. A.	Process for the production of low cost refined metallurgical silicon from metallurgical grade silicon.

RENEWAL FEES PAID

136090 136677 137421 137494 137916 138065 138590 138912
 140040 140118 140124 140310 140480 140836 140900 140913
 140951 140967 141060 141207 141249 141338 141536 141701
 142743 142965 143030 143273 143334 143499 143519 143533
 143541 143660 143784 144112 144180 144495 144729 144745
 144940 144996 145030 145046 145297 145599 145608 145679
 145681 145756 145808 145816 145934 145941 145943 146146
 146260 146377 146484 146564 146665 146819 146835 146878
 146946 146868 146969 147321 147645 147721 147941 147831
 147918 147948 148014 148100 148102 148118 148121 148212
 148127 148231 148280 148281 148392 148421 148428 148429
 148449 148479 148500 148558 148625 148635 148693 148729
 149049 149162 149330 149332 149459 149553 149740 149751
 149905 150067 150072 150078 150238 150283 150410 150416
 150484 150522 150523 150537 150606 150675 150681 150682
 150688 150689 150706 150745 150769 150815 150816 150819
 150948 151034 151100 151125 151127 151187 151189 151268

151446 151456 151514 151561 151790 151910 152020 152024
 152065 152123 152147 152163 152318 152452 152595 152670
 152704 152785 152946 152991 153019 153284 153317 153373
 153385 153410 153485 153549 153550 153552 153570 153589
 153590 153593 153624 153625 153626 153627 153684 153685
 153753 153760 153761 153772 153781 153788 153792 153795
 153796 153816 153817 153822 153849 153896 153959 153961
 153982 153987 154012 154018 154057 154058 154060 154061
 154083 154262 154306 154307 154310 154315 154316 154317
 154370 154371 154373 154496 154611 154612 154616 154640
 154646 154650 154659 154711 155608

CESSATION OF PATENTS

151518

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. No. 155838. Meera Metal Industries, a partnership firm of 32/2, Panjarpal Lane, C.P. Tank Road, Bombay-400004, Maharashtra, India. "Tiffin Box", July 15, 1985.

Class. 1. No. 156030. Meera Metal Industries, a partnership firm of 32/2, Panjarpal Lane, C.P. Tank Road, Bombay-400004, Maharashtra, India. "Disc for preventing overflow of boiling liquids". September 9, 1985.

Class. 1. No. 155985. Aidal Prasad Gupta, an Indian, H-35, South Extension, Part I, New Delhi-110049, India. "Viscosity comparators". August 26, 1985.

Class. 1. Nos. 155950 & 155951. The Jay Engineering Works Limited, 23, Kasturba Gandhi Marg, N. Delhi-110001, India, Indian Co. "Table Fan Stand". August 16, 1985.

Class. 3. No. 156022. Plastella. A partnership firm, 91-Swami Vivekanand Road, Borivali (West), Bombay-400092, Maharashtra, India. "Comb". September 6, 1985.

Class. 3. No. 155780. Plastella, A partnership firm, 91-Swami Vivekanand Road, Borivali (West), Bombay-400092, Maharashtra, India. "Basket". June 24, 1985.

Class. 3. No. 155977. Silver Spark Pvt. Ltd., an Indian Co., 108, Kanchan House, C-1, Najafgarh Community Centre, Opp. Milan Cinema, N. Delhi-110015, India. "Insect Killing Device". August 22, 1985.

Class. 3. No. 155957. Emilio Ambasz, an Argentian of 295, Central Park, West, New York-10024, U.S.A. "Pen". August 19, 1985.

Class. 3. Nos. 155979 to 155984. The Jay Engineering Works Ltd., an Indian Company of 23, Kasturba Gandhi Marg, New Delhi-110001, India. "Table Fan Guard". August 23, 1985.

R. A. ACHARYA.
Controller General of Patents,
Designs and Trade Marks.